

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00372

A. CLASSIFICATION OF SUBJECT MATTERInt. Cl. ⁷: B21D 55/00, B30B 15/00, 15/14, 15/16, 15/26, F16P 3/00, 3/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: B21D 55/00, B30B 15/00, 15/14, 15/16, 15/26, F16P 3/00, 3/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

AU: IPC AS ABOVE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPAT

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	US 6389860 B (STALZER) 21 May 2002 Column 5 line 42 - 56	1 - 52, 57
A	WO 97/25568 A (APPLEYARD) 17 July 1997 Page 37 line 17 - page 45 line 6	1 - 52, 57
D, A	WO 00/67932 (PCT/AU00/00420) A (LAZER SAFE PTY LTD) 16 November 2000 Abstract	1 - 52, 57
A	AU 27084/92 A (APPLEYARD) 22 April 1993 Abstract	1 - 52, 57

☐ Further documents are listed in the continuation of Box C
 ☒ See patent family annex

* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family D document mentioned in the description
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 Date of the actual completion of the international search
 2 June 2003

Date of mailing of the international search report

11 JUN 2003

Name and mailing address of the ISA/AU

 AUSTRALIAN PATENT OFFICE
 PO BOX 200, WODEN ACT 2606, AUSTRALIA
 E-mail address: pct@ipaustalia.gov.au
 Facsimile No. (02) 6285 3929

Authorized officer

JASON PREMNATH

Telephone No : (02) 6283 2127

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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos :
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos :
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos :
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. The claims 1 - 52 and 57 relate to an industrial press safety system or a method of operating such a system. The feature that "the speed of the movable section is controlled such that there is an initial speed, followed by a deceleration zone with first speed and a second speed (final crawl speed) as the laser beams pass a speed control point" forms the first special technical feature.
2. The claims 53 - 56 relate to a method of setting a safety distance between a single planar beam and a leading edge of a movable section of an industrial press. The feature that "converging the planar beam along an axis parallel to the movement of the movable section until the leading edge interrupts the planar beam and diverging the planar beam away from the leading edge by a predetermined distance" forms the second special technical feature.

The above two groups of claims do not share any of the special technical features identified, a technical relationship between the inventions does not exist. Accordingly the claims do not relate to one invention or to a single inventive concept.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1 - 52, 57

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	6389860	NONE					
WO	97/25568	AU	11866/97	CA	2242350	CN	1211307
		CN	1396404	EP	871836	US	6316763
WO	00/67932	AU	200042765	BR	200010288	EP	1198308
AU	27084/92	US	5579884				
END OF ANNEX							